

AMENDMENTS TO THE SPECIFICATION:

Please delete the word "Description" at page 1, line of the specification.

Please add the following centered heading at page 1, line 1 of the specification:

TITLE

Page 1, lines 3 and 4, please amend the title as follows:

~~Method for forming and determining a signal sequence, a transmitting unit and a receiving unit~~ SYNCHRONIZING A BASE STATION AND A MOBILE STATION

Please add the following centered headings at page 1, line 5 of the specification:

BACKGROUND

Field of the Invention

Please add the following centered heading at page 1, line 12 of the specification:

Description of the Related Art

Please add the following centered heading at page 3, line 1 of the specification:

SUMMARY

Please add the following centered heading at page 4, line 16 of the specification:

BRIEF DESCRIPTION OF THE DRAWINGS

Please add the following centered heading at page 5, line 1 of the specification:

DETAILED DESCRIPTION

Page 28, lines 3 and 4, please amend the title as follows:

~~Method for forming and determining a signal sequence, a transmitting unit and a receiving unit~~ SYNCHRONIZING A BASE STATION AND A MOBILE STATION

Page 28, line 16, please delete the phrase "Figure 5".

Please replace the abstract on page 28 with the following new abstract:

A method for synchronizing a base station to a mobile station includes transmitting a signal sequence  $K(i)$  of length  $n$  from the base station to the mobile station. The signal sequence  $K(i)$  is formed by repeating a second signal sequence element  $K2(k)$  of length  $n2$   $n1$  times. The second signal sequence is modulated with a first signal sequence element  $K1(j)$  of length  $n1$ . In the method,  $n1$  is equal to  $n2$  and  $i, j$  and  $k$  are integers.